

Data File : VU026511.D  
Acq On : 31 Aug 2018 19:41  
Operator : MD/SY  
Sample : J4691-18DL 10X  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE15DL

Quant Time: Sep 01 01:06:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM082918WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat Sep 01 01:02:22 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.89  | 114  | 148695   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 138740   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.49 | 152  | 60337    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40    | 65    | 37074    | 40.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 80.48%  |
| 7) Chloroethane-d5             | 1.68    | 69    | 36153    | 43.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 86.90%  |
| 11) 1,1-Dichloroethene-d2      | 2.27    | 63    | 57171    | 27.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 55.12%# |
| 21) 2-Butanone-d5              | 4.18    | 46    | 72419    | 101.28   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.28% |
| 24) Chloroform-d               | 4.65    | 84    | 78036    | 44.85    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.70%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 55110    | 47.57    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.14%  |
| 32) Benzene-d6                 | 5.34    | 84    | 155781   | 48.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.44%  |
| 36) 1,2-Dichloropropane-d6     | 6.33    | 67    | 54779    | 49.87    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 99.74%  |
| 41) Toluene-d8                 | 7.57    | 98    | 139257   | 45.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 90.22%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 23693    | 47.23    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 94.46%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 53484    | 106.16   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 106.16% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.44   | 84    | 78351    | 48.41    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 96.82%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 58631    | 53.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 107.12% |

#### Target Compounds

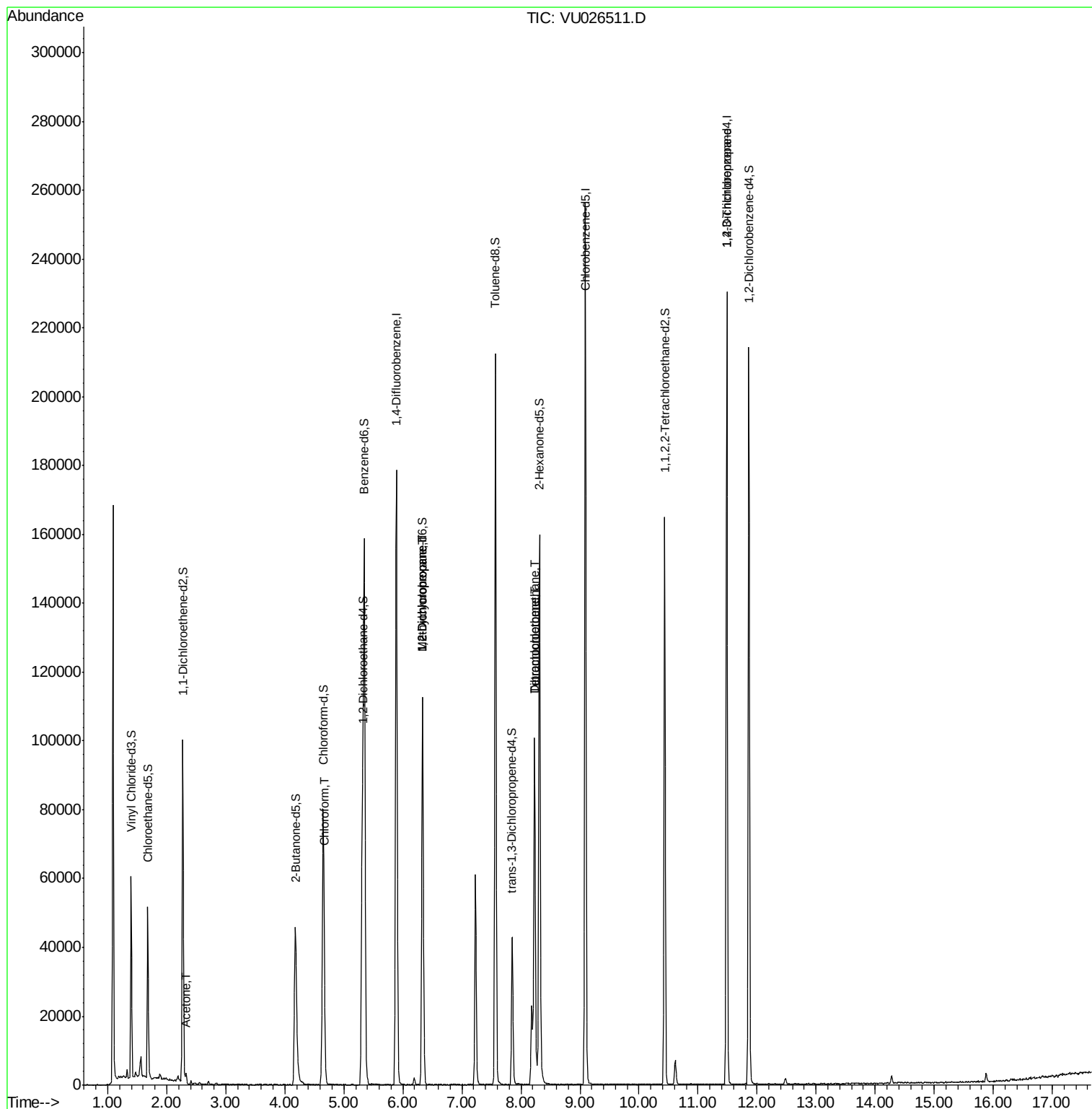
|                            |       |     |       |        |        | Qvalue |
|----------------------------|-------|-----|-------|--------|--------|--------|
| 13) Acetone                | 2.32  | 43  | 3321  | 5.364  | ug/L   | 98     |
| 25) Chloroform             | 4.67  | 83  | 3368  | 1.748  | ug/L   | 91     |
| 35) Methylcyclohexane      | 6.34  | 83  | 12659 | 8.126  | ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.33  | 63  | 5752  | 5.224  | ug/L # | 88     |
| 46) Tetrachloroethene      | 8.23  | 164 | 21266 | 26.071 | ug/L   | 97     |
| 49) Dibromochloromethane   | 8.23  | 129 | 19776 | 17.399 | ug/L # | 10     |
| 59) 1,2,3-Trichloropropane | 11.49 | 75  | 6795  | 4.946  | ug/L # | 86     |

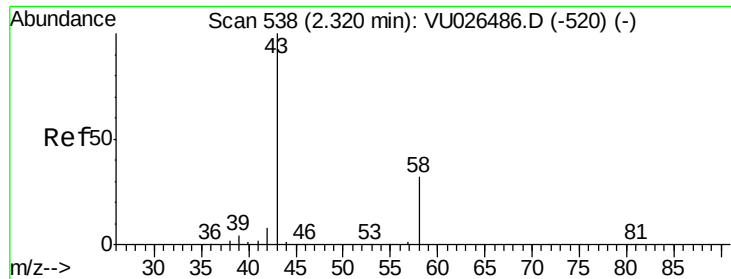
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.364 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

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Acq: 31 Aug 2018 19:41

Instrument :

MSVOA\_U

ClientSampleId :

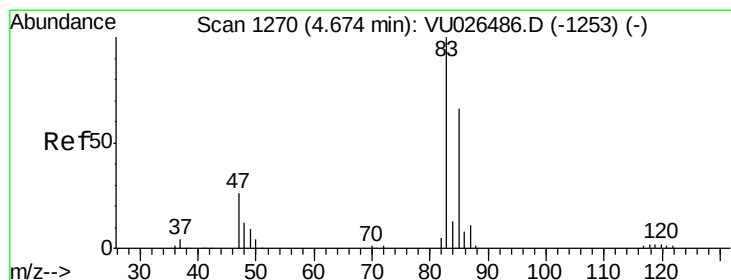
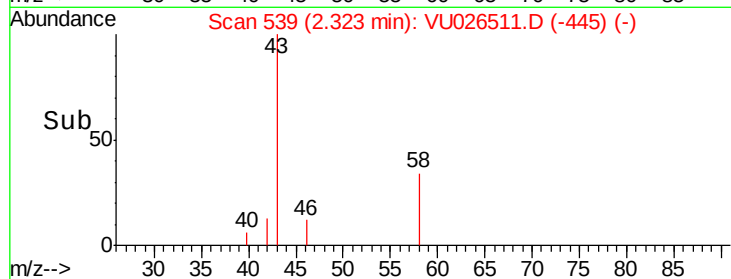
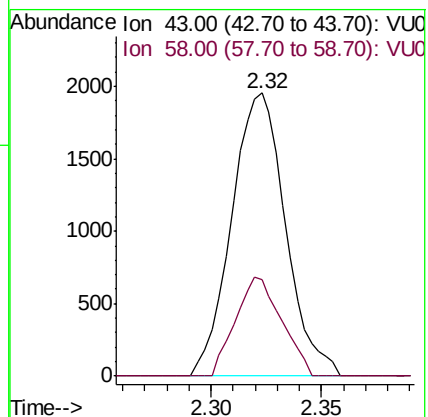
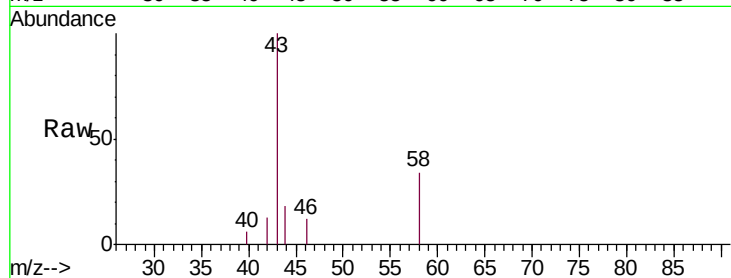
BEE15DL

Tgt Ion: 43 Resp: 3321

Ion Ratio Lower Upper

43 100

58 29.8 0.0 61.2



#25

Chloroform

Concen: 1.748 ug/L

RT: 4.67 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VU026511.D

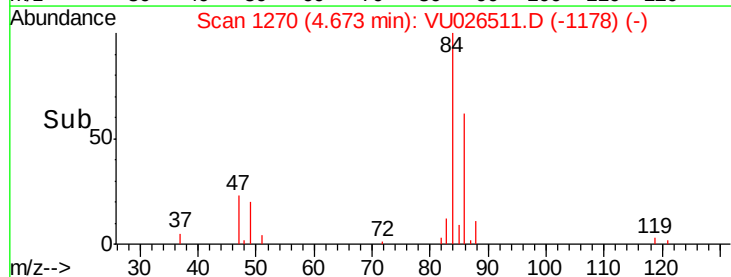
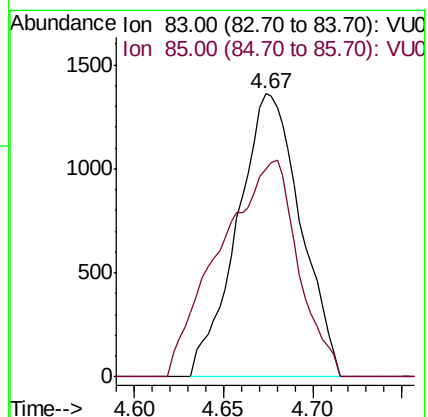
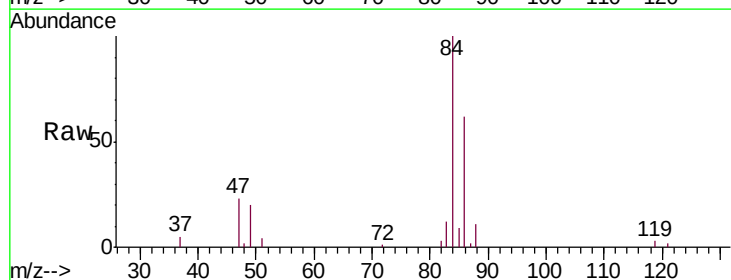
Acq: 31 Aug 2018 19:41

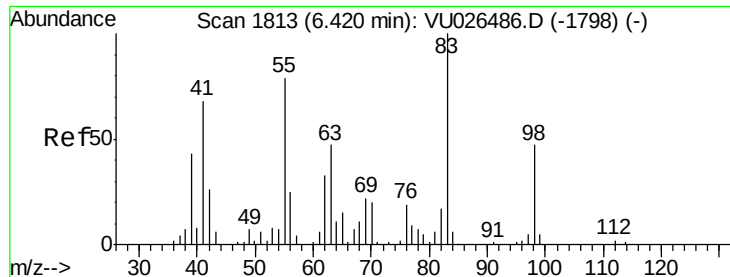
Tgt Ion: 83 Resp: 3368

Ion Ratio Lower Upper

83 100

85 73.5 46.5 86.5

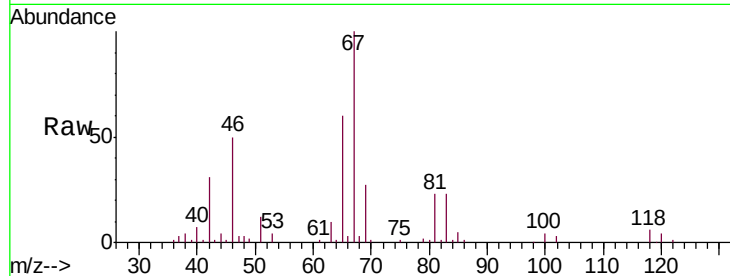




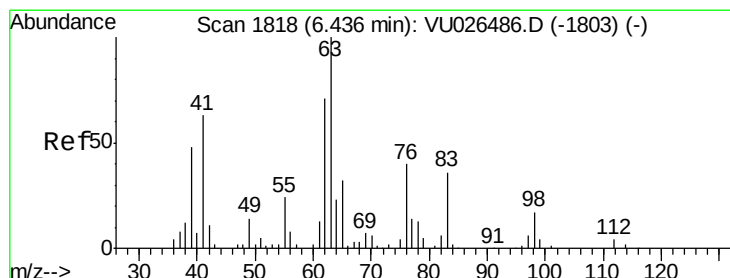
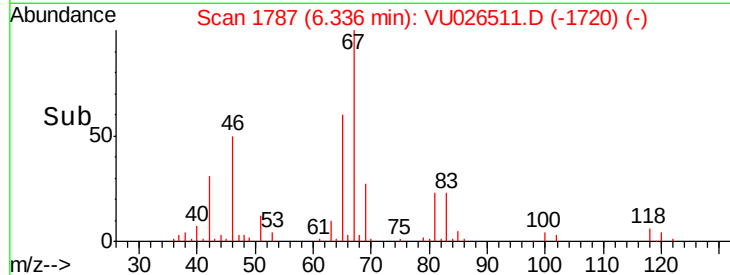
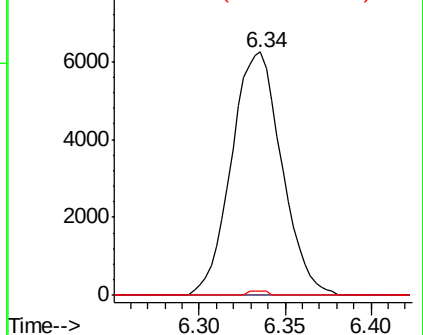
#35  
Methylcyclohexane  
Concen: 8.126 ug/L  
RT: 6.34 min Scan# 1787  
Delta R.T. -0.08 min  
Lab File: VU026511.D  
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Instrument :  
MSVOA\_U  
ClientSampleId :  
BEE15DL

Tgt Ion: 83 Resp: 12659  
Ion Ratio Lower Upper  
83 100  
55 0.0 63.3 94.9#  
98 0.5 36.7 55.1#

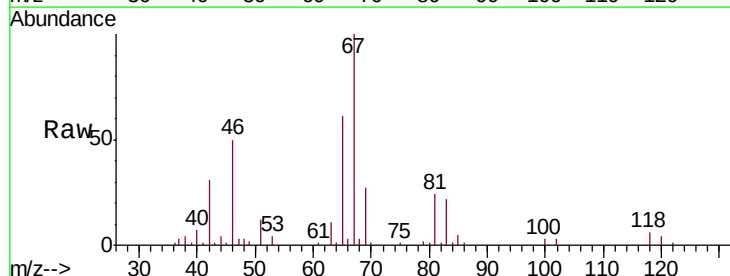


Abundance Ion 83.00 (82.70 to 83.70): VU0  
Ion 55.00 (54.70 to 55.70): VU0  
Ion 98.00 (97.70 to 98.70): VU0

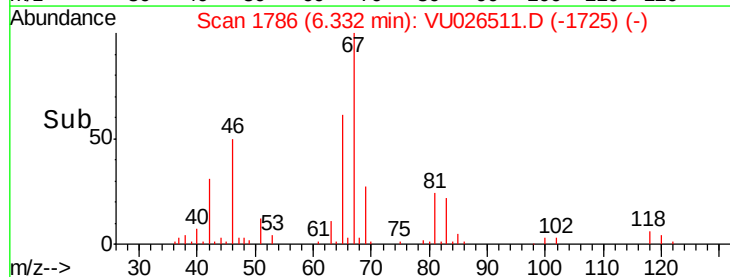
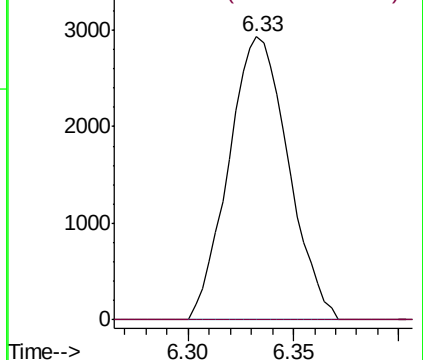


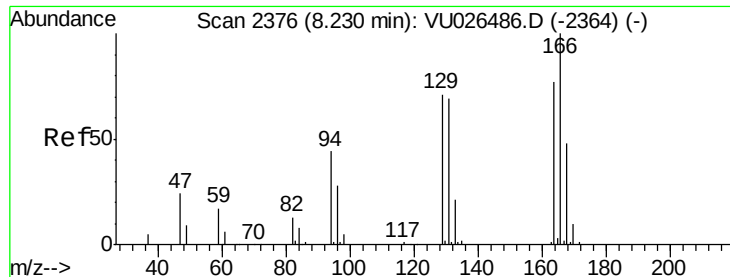
#37  
1,2-Dichloropropane  
Concen: 5.224 ug/L  
RT: 6.33 min Scan# 1786  
Delta R.T. -0.10 min  
Lab File: VU026511.D  
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Tgt Ion: 63 Resp: 5752  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.0 4.6#



Abundance Ion 63.00 (62.70 to 63.70): VU0  
Ion 112.00 (111.70 to 112.70): V

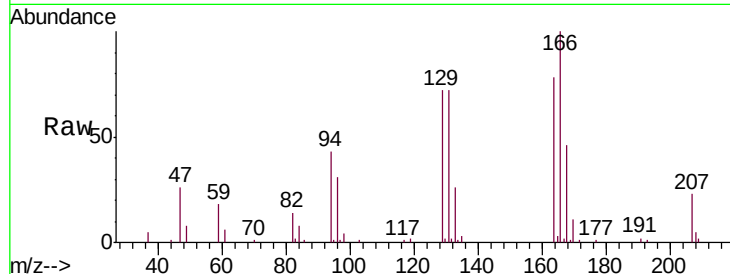




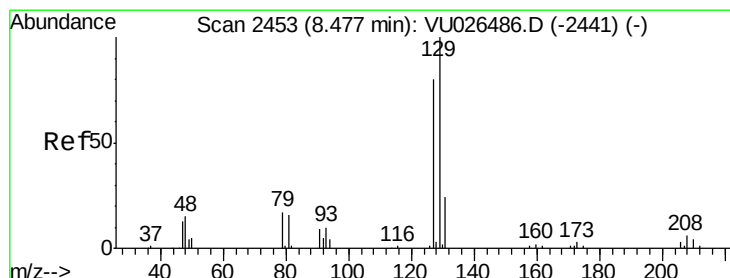
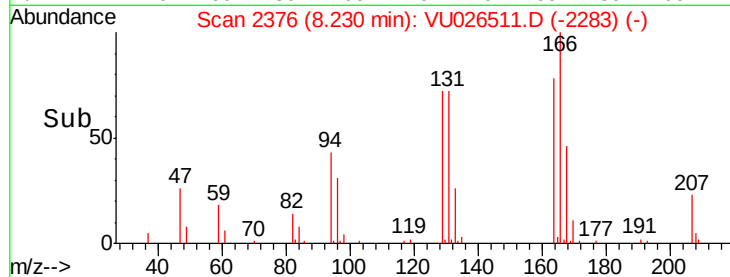
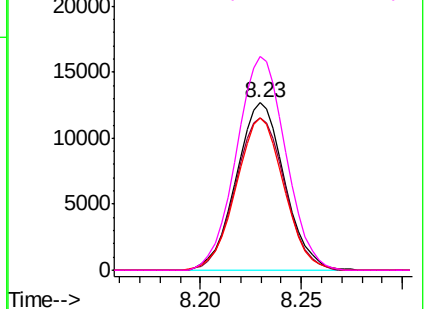
#46  
Tetrachloroethene  
Concen: 26.071 ug/L  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.00 min  
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Tgt Ion:164 Resp: 21266  
Ion Ratio Lower Upper  
164 100  
129 91.3 67.3 125.1  
131 91.4 65.3 121.3  
166 127.6 90.9 168.7

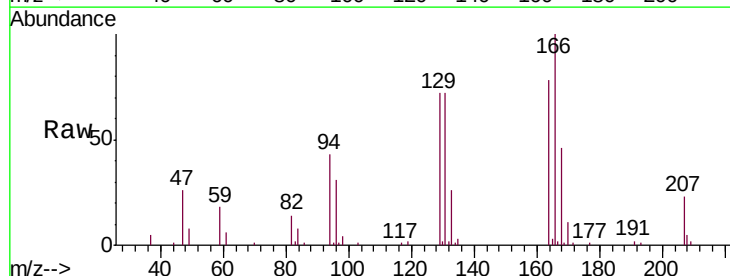


Abundance Ion 164.00 (163.70 to 164.70): V  
Ion 129.00 (128.70 to 129.70): V  
Ion 131.00 (130.70 to 131.70): V  
Ion 166.00 (165.70 to 166.70): V

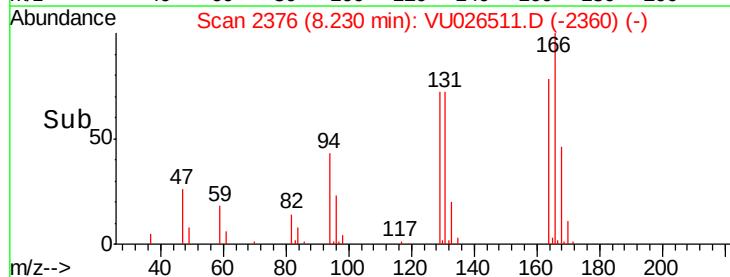
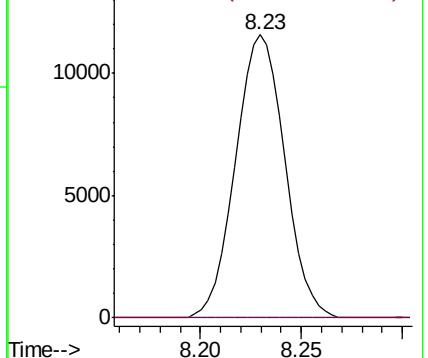


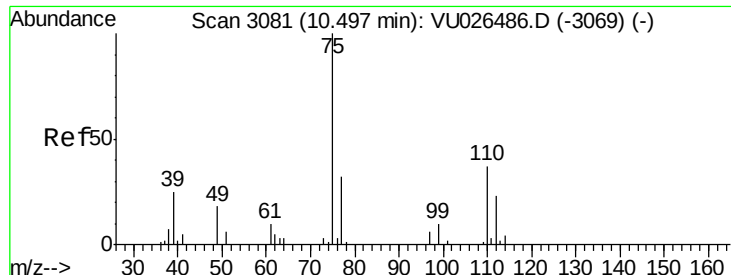
#49  
Dibromochloromethane  
Concen: 17.399 ug/L  
RT: 8.23 min Scan# 2376  
Delta R.T. -0.25 min  
Lab File: VU026511.D  
Acq: 31 Aug 2018 19:41

Tgt Ion:129 Resp: 19776  
Ion Ratio Lower Upper  
129 100  
127 0.0 55.0 102.2#



Abundance Ion 129.00 (128.70 to 129.70): V  
Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane

Concen: 4.946 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU026511.D

Acq: 31 Aug 2018 19:41

Instrument :

MSVOA\_U

ClientSampleId :

BEE15DL

Tgt Ion: 75 Resp: 6795

Ion Ratio Lower Upper

75 100

77 39.1 25.0 37.6#

